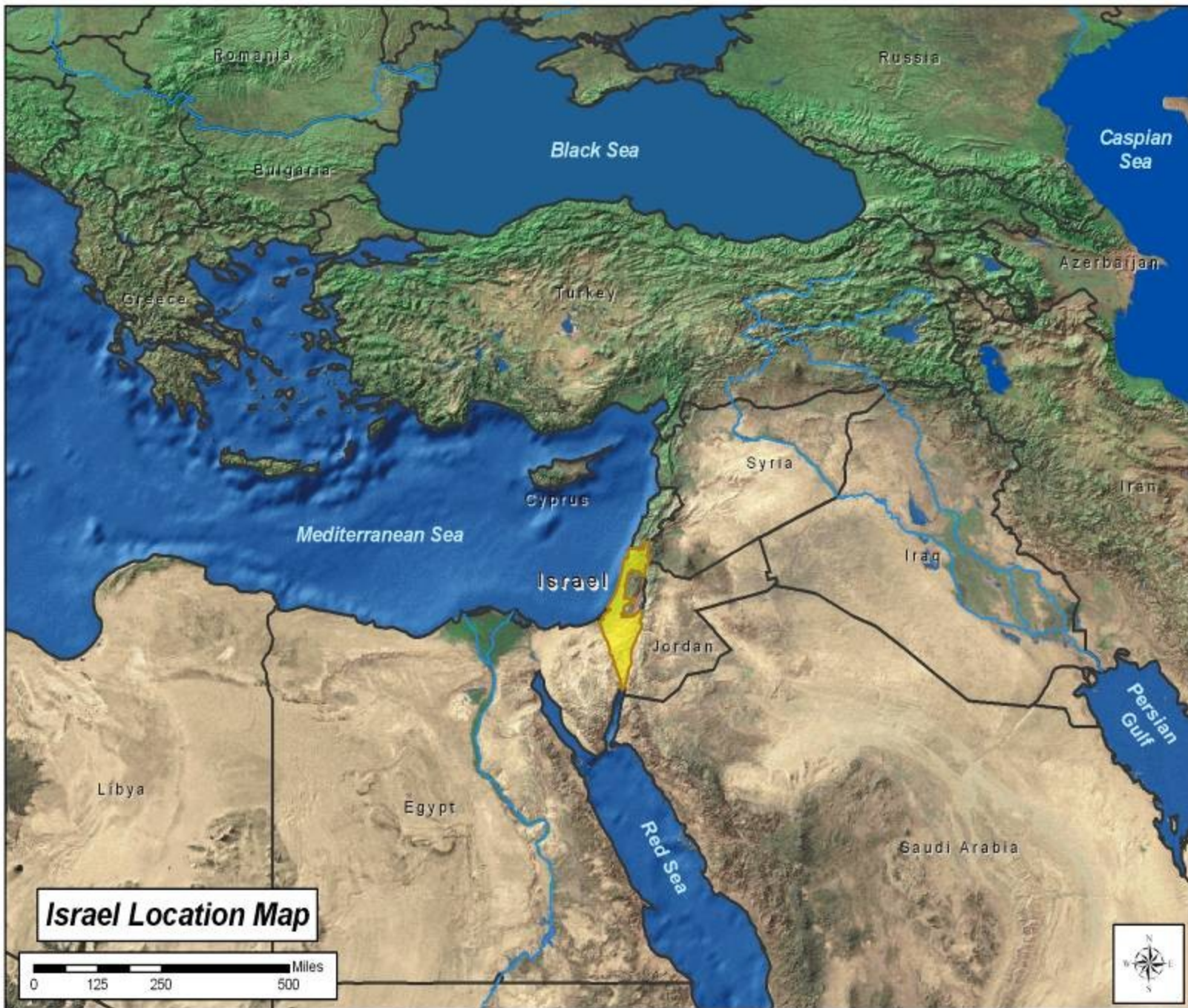


ISRAEL

- War damaged infrastructure
- Strained public health systems



Where in the world is Israel?



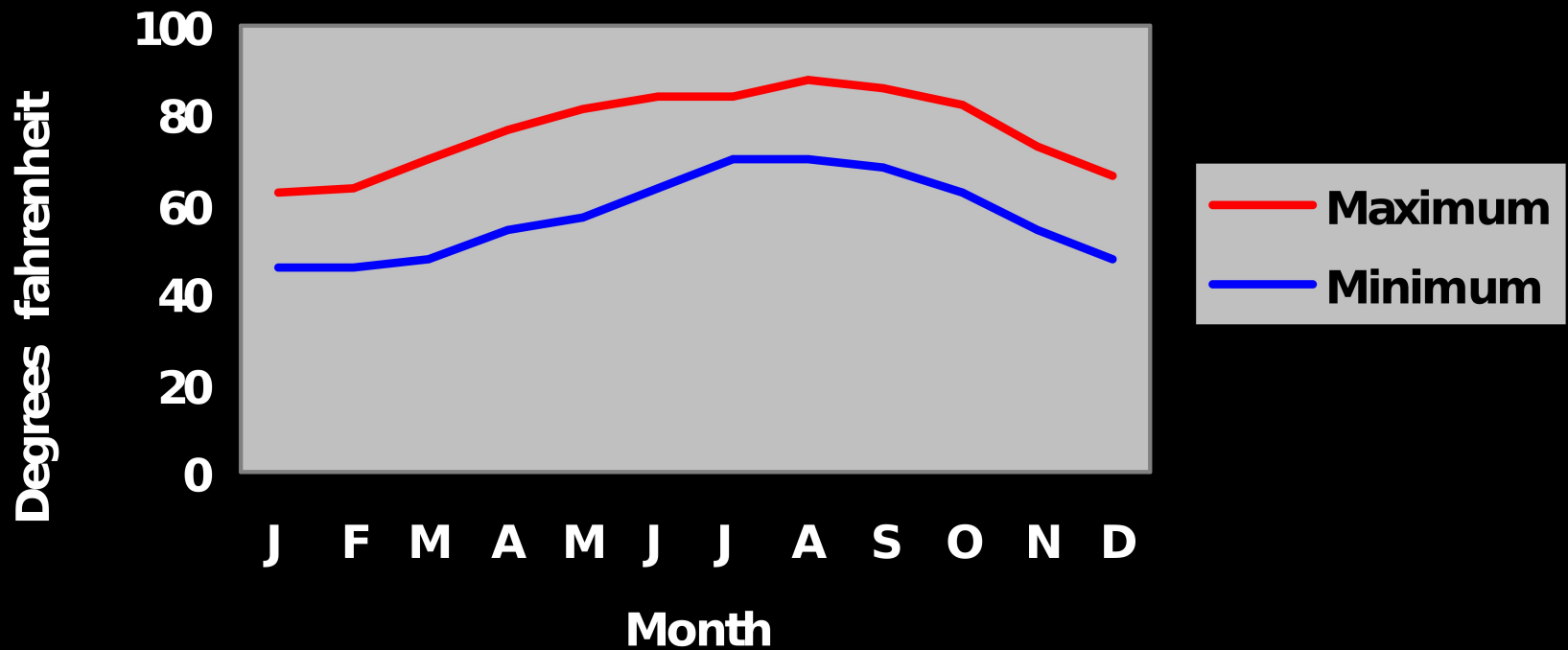
Physical Environment

- **Topography**
 - About the size of New Jersey
 - 4 geographic regions
 - Plains, highlands, valley, desert
- **Climate**
 - Mediterranean climate
 - Long hot dry summer
 - Short cold rainy winter



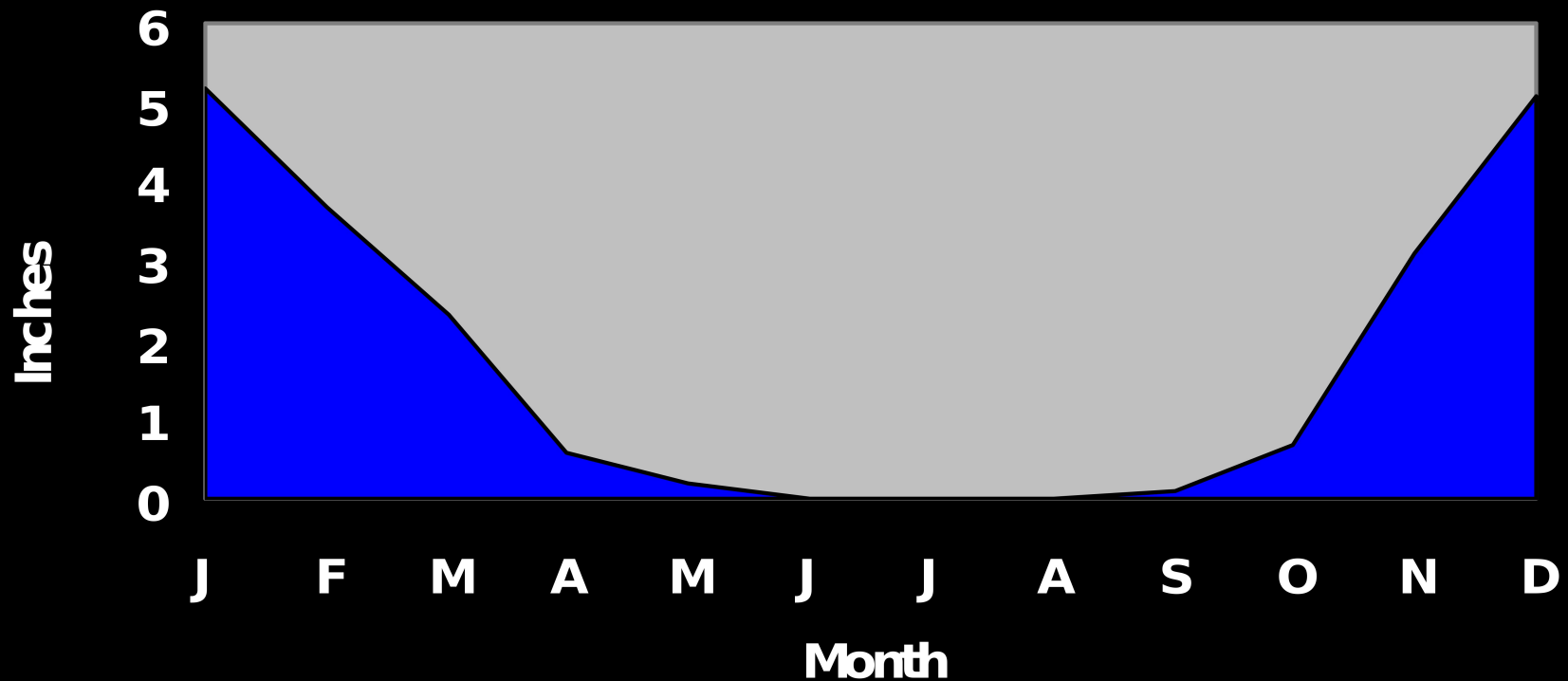
Physical Environment

Average Max/Min Temperature in Tel Aviv



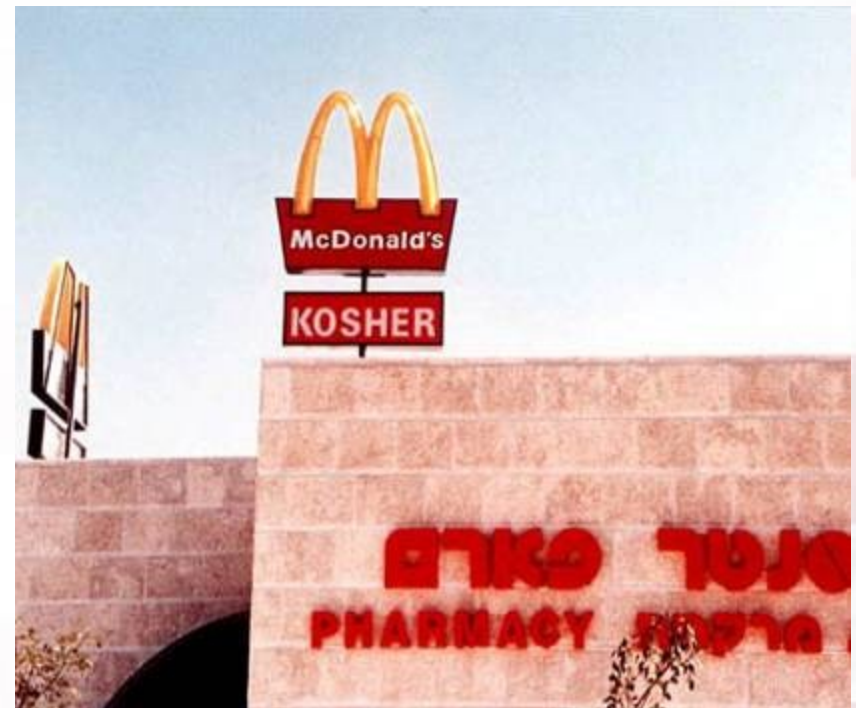
Physical Environment

Average Total Precipitation in Tel Aviv



Environmental Health Risk

- **Greatest short term risks associated with ingestion of contaminated food/water; extreme heat/cold; airborne dust/sand**
- **Greatest long term risks associated with air contamination and chemical contamination of food/water**



Environmental Issues

- Air Contamination
 - Overall, minimal health effects
 - Long term (>14 days) risks may be significant
 - Concentrations of respirable particulate matter smaller than 10 micrometers (PM-10) are very high
 - Air quality is improving



Environmental Issues Cont.

- Soil Contamination
 - Low risk to human health
 - State-of-the-art landfills
- Water Contamination
 - Israel's most severe pollution problem
 - Infrastructure is failing to keep pace with a rapidly growing population
 - Quantity is as important as quality



Infectious Disease Risk Definitions

HIGH	INTERMEDIATE	LOW
<p>The main force health protection emphasis should be on these diseases, which are the most likely to degrade operations by affecting a large percentage of personnel, or by causing severe illness in a smaller percentage.</p>	<p>These diseases also warrant force protection emphasis. They are less likely to degrade operations because they generally affect smaller numbers of personnel, or cause mild symptoms.</p>	<p>Other militarily significant diseases that are likely to have a minimal impact on operational readiness. These diseases are not generally discussed in the Medical Threat Presentations.</p>

Infectious Disease Risk

- **INTERMEDIATE RISK** for infectious diseases
- Inadequate force health protection (FHP) measures, will adversely impact mission effectiveness

Infectious Diseases

- Foodborne and Waterborne Diseases
 - **HIGH RISK** = Diarrhea - bacterial, hepatitis A,
 - **INTERMEDIATE RISK** = brucellosis, diarrhea – protozoal, typhoid, paratyphoid
- FHP Priorities
 - **Deploy appropriate PM personnel and equipment**
 - Consume food, water, ice only from US-approved sources
 - Operate food preparation facilities in accordance with Army doctrine
 - Ensure proper hand washing facilities near all latrines and dining facilities and enforce

Infectious Diseases Cont.

- Vector-borne Diseases
 - **INTERMEDIATE RISK** = Crimean-Congo hemorrhagic fever, Leishmaniasis, Rickettsioses (tickborne), Sand fly fever, Sindbis virus, West Nile fever
- FHP Priorities
 - Use DEET on all exposed skin
 - Treat field uniforms with permethrin
 - Use bed nets in field conditions, treat with permethrin



Infectious Diseases Cont.

- Animal-contact Diseases
 - **INTERMEDIATE RISK** = Q-fever, Rabies
- FHP Priorities
 - Avoid animal contact (alive or dead), especially if an animal exhibits strange behavior
 - No mascots
 - Report all animal bites and scratches
 - Do not keep food in living areas
 - Dispose of trash properly



Infectious Diseases Cont.

- Sexually Transmitted Diseases
 - **INTERMEDIATE RISK** = gonorrhea/chlamydia, HIV/AIDS, Hepatitis B
- FHP Priorities
 - Avoid sexual contact
 - Use latex condoms if sexually active



Infectious Diseases Cont.

- Water-contact Diseases
 - **INTERMEDIATE RISK** = leptospirosis
- FHP Priorities
 - avoid unnecessary contact with lakes, rivers, streams, and other surface water

There will not be a sign like this.

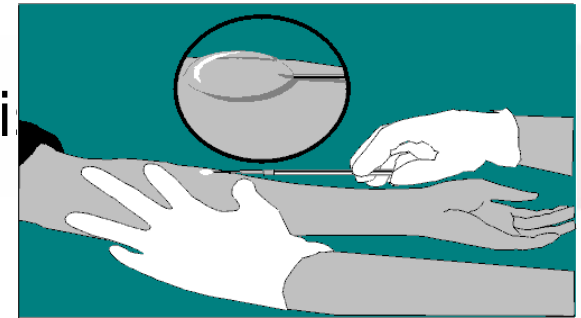
LEPTOSPIROSIS
HEALTH HAZARD

FRESH WATER STREAMS AND MUD
POSSIBLY POLLUTED WITH BACTERIA

SWIM, BOAT,
OR HIKE AT YOUR OWN RISK

Infectious Diseases Cont.

- Respiratory Diseases
 - **INTERMEDIATE RISK** = tuberculosis



- FHP Priorities

- Tuberculin skin test before and after deployment
- 72 sqft/person and head-to-toe sleeping arrangement
- Cough or sneeze into your upper sleeve instead of your hands
- Wash hands at every opportunity
- Avoid close contact with local population

Hazardous Animals & Plants

- Animals

- Rabid dogs, snakes, centipedes, scorpions, spiders



- Plants

- Mexican Poppy, Fetid Nightshade



- FHP Priorities

- Do not handle animals
- Shake out boots, clothing, & bedding
- Do not touch, chew, eat, or burn unfamiliar plants



SUMMARY

- Physical Environment
- Infectious Diseases = **INTERMEDIATE RISK**
- Hazardous Animals and Plants
- FHP measures are simple and effective
 - Use and Enforce
 - Will conserve the fighting strength

